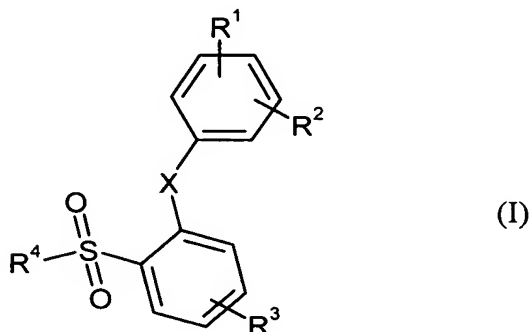


## AMENDMENTS TO THE CLAIMS:

This listing of Claims will replace all prior versions, and listings, of claims in the application.

- (1) (Original) A benzenesulfonamide derivative of the formula (I), its tautomeric or stereoisomeric form, or a salt thereof:



wherein

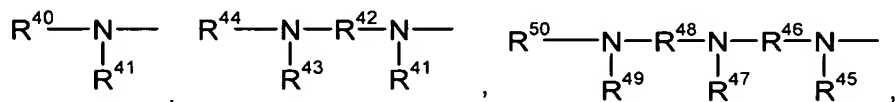
X represents O or S;

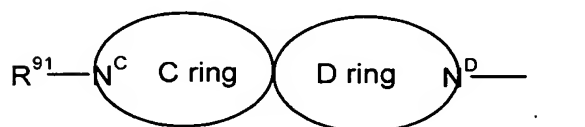
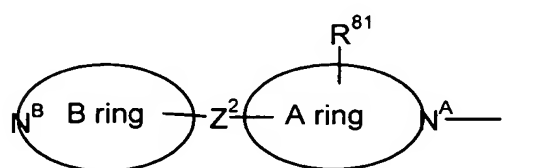
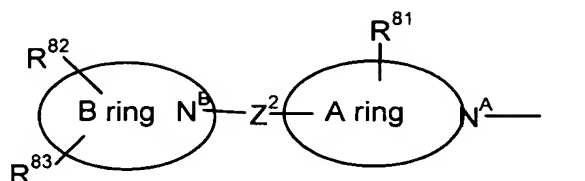
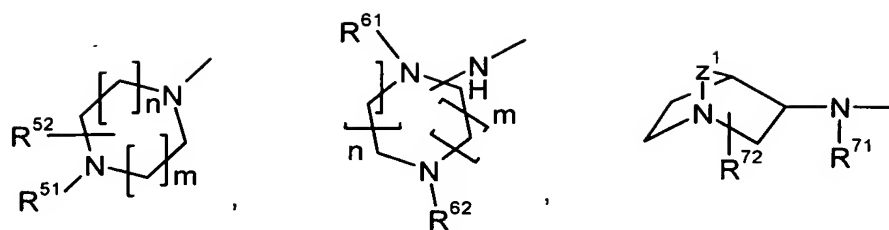
R<sup>1</sup> represents hydrogen, halogen, hydroxy, nitro, cyano, C<sub>1-6</sub> alkoxy carbonyl, amino, C<sub>1-6</sub> alkylamino, di(C<sub>1-6</sub> alkyl)amino, C<sub>1-6</sub> alkanoyl, phenyl, C<sub>1-6</sub> alkyl optionally substituted by mono-, di- or tri- halogen, or C<sub>1-6</sub> alkoxy optionally substituted by mono-, di- or tri- halogen;

R<sup>2</sup> represents hydrogen, halogen, hydroxy, nitro, cyano, C<sub>1-6</sub> alkoxy carbonyl, amino, C<sub>1-6</sub> alkylamino, di(C<sub>1-6</sub> alkyl)amino, C<sub>1-6</sub> alkanoyl, phenyl, C<sub>1-6</sub> alkyl optionally substituted by mono-, di- or tri- halogen or C<sub>1-6</sub> alkoxy optionally substituted by mono-, di- or tri- halogen;

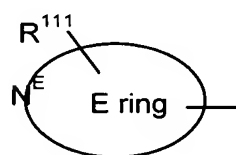
R<sup>3</sup> represents hydrogen, halogen, hydroxy, nitro, cyano, amino, carboxy, tetrazolyl, C<sub>1-6</sub> alkoxy, C<sub>1-6</sub> alkoxy carbonyl, C<sub>1-6</sub> alkanoyl, C<sub>1-6</sub> alkanoylamino, C<sub>1-6</sub> alkyl optionally substituted by mono-, di- or tri- halogen or hydroxy;

R<sup>4</sup> represents





or



wherein

$R^{40}$  represents  $C_{1-6}$  alkyl substituted by pyrrolidinyl or piperidinyl wherein said pyrrolidinyl and piperidinyl are optionally substituted by mono- or di- oxo, 7-oxa-bicyclo[4.1.0]hept-3-yl optionally having 1 or 2 substituents selected from the group consisting of amino,  $(C_{1-6}$  alkyl)amino and di $(C_{1-6}$  alkyl)amino, or a 5 to 8 membered saturated heterocyclic ring containing 1 or 2 heteroatoms selected from the group consisting of N and O and optionally having from 1 to 3 substituents

selected from the group consisting of hydroxy, amino, oxo and C<sub>1-6</sub> alkyl;

R<sup>41</sup> represents hydrogen, C<sub>1-6</sub> alkyl optionally substituted by amino, C<sub>1-6</sub> alkylamino, di(C<sub>1-6</sub> alkyl)amino, or 2,5- dioxo pyrrolidin-1-yl or a C<sub>5-8</sub> cycloalkyl optionally substituted by hydroxy,

or

R<sup>40</sup> and R<sup>41</sup> may form, together with adjacent N atom, a 5 to 8 membered saturated heterocyclic ring optionally interrupted by O;

R<sup>42</sup> represents C<sub>1-6</sub> alkylene optionally substituted by hydroxy or carboxy, or a C<sub>5-8</sub> cycloalkyl substituted by at least one hydroxy and moreover optionally 1 or 2 substituents selected from the group consisting of hydroxy, amino, oxo and C<sub>1-6</sub> alkyl,

or

R<sup>41</sup> and R<sup>42</sup> may form, together with adjacent N atom, a 5 to 8 membered saturated heterocyclic ring optionally interrupted by NH or O, wherein said 5 to 8 membered saturated heterocyclic ring is substituted by mono- or di- oxo;

with the proviso that when R<sup>41</sup> is hydrogen, C<sub>1-6</sub> alkyl optionally substituted by amino, C<sub>1-6</sub> alkylamino, or di(C<sub>1-6</sub> alkyl)amino, R<sup>42</sup> is hydroxy substituted C<sub>1-6</sub> alkylene or carboxy substituted C<sub>1-6</sub> alkylene;

R<sup>43</sup> represents hydrogen, or C<sub>1-6</sub> alkyl optionally substituted by hydroxy or carboxy;

R<sup>44</sup> represents hydrogen, or C<sub>1-6</sub> alkyl optionally substituted by hydroxy or carboxy;

with the proviso that when R<sup>41</sup> and R<sup>42</sup> form, together with adjacent N atom, a 5 to 8 membered saturated heterocyclic ring substituted by mono- or di- oxo, R<sup>44</sup> represents hydroxy substituted C<sub>1-6</sub> alkyl or carboxy substituted C<sub>1-6</sub> alkyl;

R<sup>45</sup>, R<sup>47</sup>, R<sup>49</sup> and R<sup>50</sup> independently represent hydrogen or C<sub>1-6</sub> alkyl;

R<sup>46</sup> and R<sup>48</sup> independently represent C<sub>1-6</sub> alkylene optionally substituted hydroxy or carboxy;

n represents an integer selected from 1 to 3;

m represents an integer selected from 0 to 3;

R<sup>51</sup> represents hydrogen, C<sub>1-6</sub> alkyl, or a 3 to 8 membered saturated ring optionally interrupted by NH or O;

R<sup>52</sup> represents hydrogen, C<sub>1-6</sub> alkoxy carbonyl, or C<sub>1-6</sub> alkyl substituted by carboxy, amino, (C<sub>1-6</sub> alkyl)amino, di(C<sub>1-6</sub> alkyl)amino, N-(C<sub>1-6</sub> alkylsulfonyl)amino, N-(C<sub>1-6</sub> alkanoyl)amino, C<sub>1-6</sub> alkoxy carbonyl, tetrazolyl, triazolyl, indolyl, isoindolyl, indolyl, isoindolyl, pyrrolidinyl optionally substituted by mono- or di- oxo, or piperidinyl optionally substituted by mono- or di- oxo,

with the proviso that when R<sup>51</sup> and R<sup>52</sup> are hydrogen at the same time, R<sup>3</sup> is tetrazolyl or C<sub>1-6</sub> alkanoyl, or when R<sup>51</sup> is hydrogen or C<sub>1-6</sub> alkyl, R<sup>52</sup> is other than hydrogen;

R<sup>61</sup> and R<sup>62</sup> independently represent hydrogen or C<sub>1-6</sub> alkyl optionally substituted by hydroxy, carboxy, phenyl or mono-, di- or tri halogen;

R<sup>71</sup> represents hydrogen, or C<sub>1-6</sub> alkyl optionally substituted by amino, hydroxy, carboxy, pyrrolidinyl or piperidinyl, wherein said pyrrolidinyl and piperidinyl are optionally substituted by mono- or di- oxo;

R<sup>72</sup> represents hydrogen, carboxy, C<sub>1-6</sub> alkanoyl, amino, (C<sub>1-6</sub>alkyl)amino, di(C<sub>1-6</sub>alkyl)amino, N-(C<sub>1-6</sub>alkyl)amino carbonyl, C<sub>1-6</sub> alkyl optionally substituted by hydroxy, carboxy, or mono-, di- or tri- halogen, C<sub>1-6</sub> alkoxy optionally substituted by mono-, di- or tri- halogen, pyrrolidinyl or piperidinyl, wherein said pyrrolidinyl and piperidinyl are optionally substituted by mono- or di- oxo;

Z<sup>1</sup> represents  $-\text{[CH}_2\text{]}_p-$ , wherein p represents an integer 1 or 2;

R<sup>81</sup> represents hydrogen, C<sub>1-6</sub> alkoxy carbonyl, or C<sub>1-6</sub> alkyl substituted by pyrrolidinyl or piperidinyl, wherein said pyrrolidinyl and piperidinyl are optionally substituted by mono- or di- oxo;

R<sup>82</sup> represents hydrogen, hydroxy, carboxy or C<sub>1-6</sub> alkyl substituted by hydroxy, amino, or carboxy,

R<sup>83</sup> represents hydrogen, hydroxy, carboxy, or C<sub>1-6</sub> alkyl substituted by hydroxy, amino, or carboxy,

with the proviso that when R<sup>81</sup> is hydrogen, R<sup>82</sup> or R<sup>83</sup> is other than hydrogen;

Z<sup>2</sup> represents  $-\text{[CH}_2\text{]}_q-$ , wherein q represents an integer selected from 0 to 3;

R<sup>91</sup> represents hydrogen or C<sub>1-6</sub> alkyl optionally substituted by phenyl;

R<sup>111</sup> represents hydrogen, carboxy, C<sub>1-6</sub> alkoxy carbonyl, C<sub>1-6</sub> alkanoyl, N-(C<sub>1-6</sub>alkyl) aminocarbonyl, C<sub>1-6</sub> alkoxy optionally substituted by mono-, di- or tri- halogen, or C<sub>1-6</sub> alkyl optionally substituted by hydroxy, mono-, di- or tri- halogen, amino, (C<sub>1-6</sub> alkyl)amino, di(C<sub>1-6</sub> alkyl)amino, N-(C<sub>1-6</sub> alkylsulfonyl)amino, N-(C<sub>1-6</sub> alkanoyl)amino, C<sub>1-6</sub> alkoxy carbonyl, tetrazolyl, triazolyl, indolinyl, isoindolinyl, indolyl, isoindolyl, pyrrolidinyl or piperidinyl wherein said pyrrolidinyl and piperidinyl are optionally substituted by mono- or di- oxo;

A ring represents a 3 to 8 membered saturated heterocyclic ring, in which the nitrogen atom N<sup>A</sup> is the only hetero atom;

B ring represents a 3 to 8 membered saturated heterocyclic ring, in which the nitrogen atom N<sup>B</sup> is the only hetero atom;

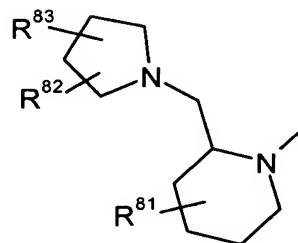
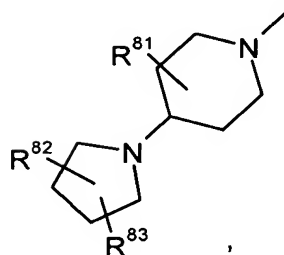
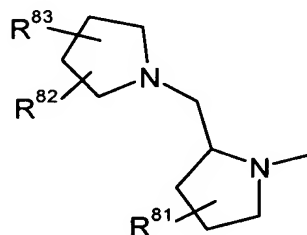
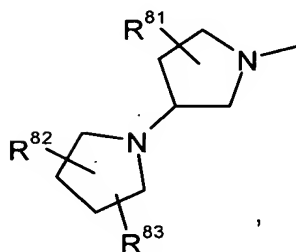
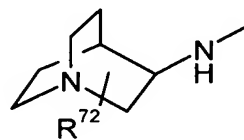
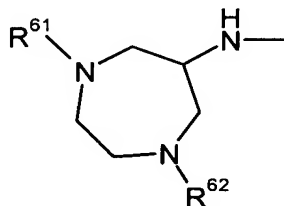
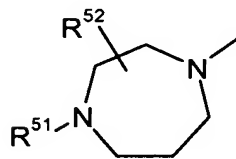
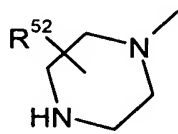
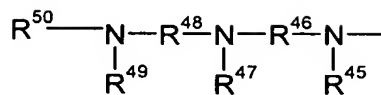
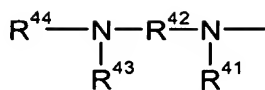
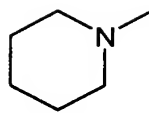
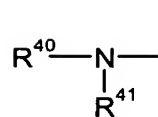
C ring and D ring together form a 7 to 15 membered diazabicyclic ring; and

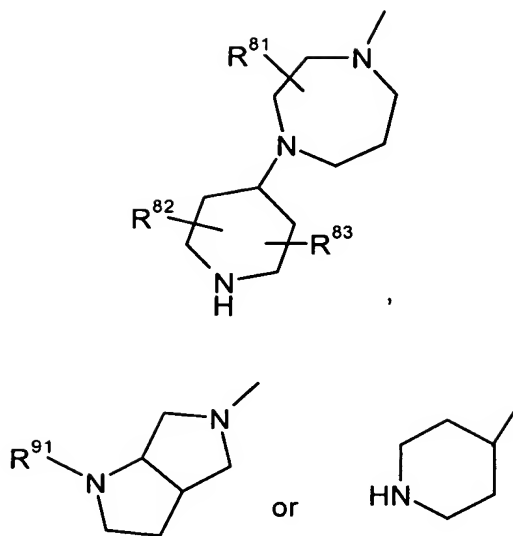
E ring represents a 5 to 8 membered saturated heterocyclic ring, in which the nitrogen atom N<sup>E</sup> is the only hetero atom.

- (2) (Original) The benzenesulfonamide derivative of the formula (I), its tautomeric or stereoisomeric form, or a salt thereof as claimed in claim 1,

wherein

R<sup>4</sup> represents





wherein

R<sup>40</sup> represents C<sub>1-6</sub> alkyl having substituent selected from the group consisting of 2-oxo-pyrrolidin-1-yl, 2,5-dioxo-pyrrolidin-1-yl, 2-oxo-piperidin-1-yl, 2-oxo-piperidin-3-yl, 4-oxo-piperidin-1-yl, 2-oxo-piperidin-6-yl, 2,5-dioxo-piperidin-1-yl, 2,6-dioxo-piperidin-1-yl, and 2,6-dioxo-piperidin-3-yl, piperidin-1-yl, -2-yl, -3-yl or -4-yl (wherein said piperidin is optionally substituted by mono- or di-oxo), hexahydroazepin-1-yl, -2-yl, -3-yl or -4-yl (wherein said hexahydroazepin is optionally substituted by mono- or di-oxo), and 7-oxa-bicyclo[4.1.0]hept-3-yl optionally substituted by amino;

R<sup>41</sup> represents hydrogen, cyclopentyl or C<sub>1-6</sub> alkyl optionally substituted by amino, C<sub>1-6</sub> alkyl amino, di-(C<sub>1-6</sub> alkyl)amino, or 2,5-dioxo-pyrrolidin-1-yl,

R<sup>42</sup> represents C<sub>1-4</sub> alkylene substituted by carboxy or cyclohexyl substituted by mono or di hydroxy,

R<sup>41</sup> and R<sup>42</sup> may form, together with adjacent N atom, a 5 or 6 membered saturated heterocyclic ring;

with the proviso that when R<sup>41</sup> is hydrogen, C<sub>1-6</sub> alkyl optionally substituted by amino, C<sub>1-6</sub> alkylamino, or di(C<sub>1-6</sub> alkyl)amino, R<sup>42</sup> is hydroxy substituted C<sub>1-6</sub> alkylene or carboxy substituted C<sub>1-6</sub> alkylene;

R<sup>43</sup> represents hydrogen or C<sub>1-6</sub> alkyl optionally substituted by hydroxy,

R<sup>44</sup> represents C<sub>1-6</sub> alkyl optionally substituted by hydroxy or carboxy,

with the proviso that when R<sup>41</sup> and R<sup>42</sup> form, together with adjacent N atom, a 5 or 6 membered saturated heterocyclic ring, R<sup>44</sup> is hydroxy substituted C<sub>1-6</sub> alkyl or carboxy substituted C<sub>1-6</sub> alkyl;

R<sup>45</sup>, R<sup>47</sup>, R<sup>49</sup> and R<sup>50</sup> independently represent hydrogen, methyl or ethyl;

R<sup>46</sup> and R<sup>48</sup> independently represent C<sub>1-6</sub> alkylene optionally substituted hydroxy or carboxy;

R<sup>51</sup> represents hydrogen, cyclopentyl, ethyl or methyl;

R<sup>52</sup> represents methoxycarbonyl or C<sub>1-6</sub>alkyl substituted by carboxy, amino, methoxycarbonyl, methanesulfonylamino, acetamido, indolyl, tetrazolyl, 1,2,3-triazolyl, 1,2,4-triazolyl, 1,2,5-triazolyl, 1,3,4-triazolyl, pyrrolidin-1-yl, 2-oxo-pyrrolidin-1-yl, 2,5- dioxo pyrrolidin-1-yl, 2-oxo-piperidin-1-yl, 2-oxo-piperidin-3-yl, 4-oxo-piperidin-1-yl, 2-oxo-piperidin-6-yl, 2,5-dioxo-piperidin-1-yl, 2,6-dioxo-piperidin-1-yl, or 2,6-dioxo-piperidin-3-yl;

R<sup>61</sup> and R<sup>62</sup> independently represents benzyl or phenethyl;

R<sup>72</sup> represents hydrogen, carboxy, C<sub>1-6</sub> alkanoyl, amino, (C<sub>1-6</sub>alkyl)amino, di(C<sub>1-6</sub>alkyl)amino, N-(C<sub>1-6</sub>alkyl)amino carbonyl, C<sub>1-6</sub> alkyl optionally substituted by hydroxy, carboxy, or mono-, di- or tri- halogen, C<sub>1-6</sub> alkoxy optionally substituted by mono-, di- or tri- halogen, pyrrolidinyl or piperidinyl wherein said pyrrolidinyl and piperidinyl are optionally substituted by mono- or di- oxo;

R<sup>81</sup> represents hydrogen, methoxycarbonyl or C<sub>1-6</sub> alkyl substituted by 2-oxo-pyrrolidin-1-yl, 2,5- dioxo pyrrolidin-1-yl, 2-oxo-piperidin-1-yl, 2-oxo-piperidin-3-yl, 4-oxo-piperidin-1-yl, 2-oxo-piperidin-6-yl, 2,5-dioxo-piperidin-1-yl, 2,6-dioxo-piperidin-1-yl, or 2,6-dioxo-piperidin-3-yl;



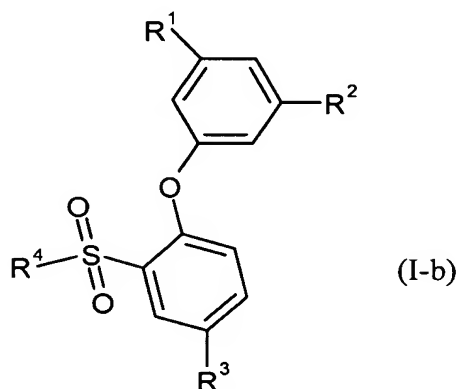
$R^{82}$  represents hydrogen, hydroxy or  $C_{1-6}$  alkyl substituted by hydroxy;

$R^{83}$  represents hydrogen, hydroxy or carboxy;

with the proviso that when  $R^{82}$  and  $R^{83}$  are hydrogen at the same time,  $R^{81}$  is other than hydrogen, or when  $R^{81}$  and  $R^{83}$  are hydrogen at the same time,  $R^{82}$  is other than hydrogen;

$R^{91}$  represents benzyl or phenethyl.

- (3) (Original) A benzenesulfonamide derivative of the formula (I-b), its tautomeric or stereoisomeric form, or a salt thereof:



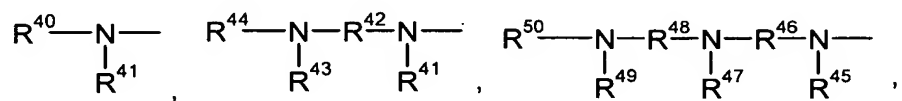
wherein

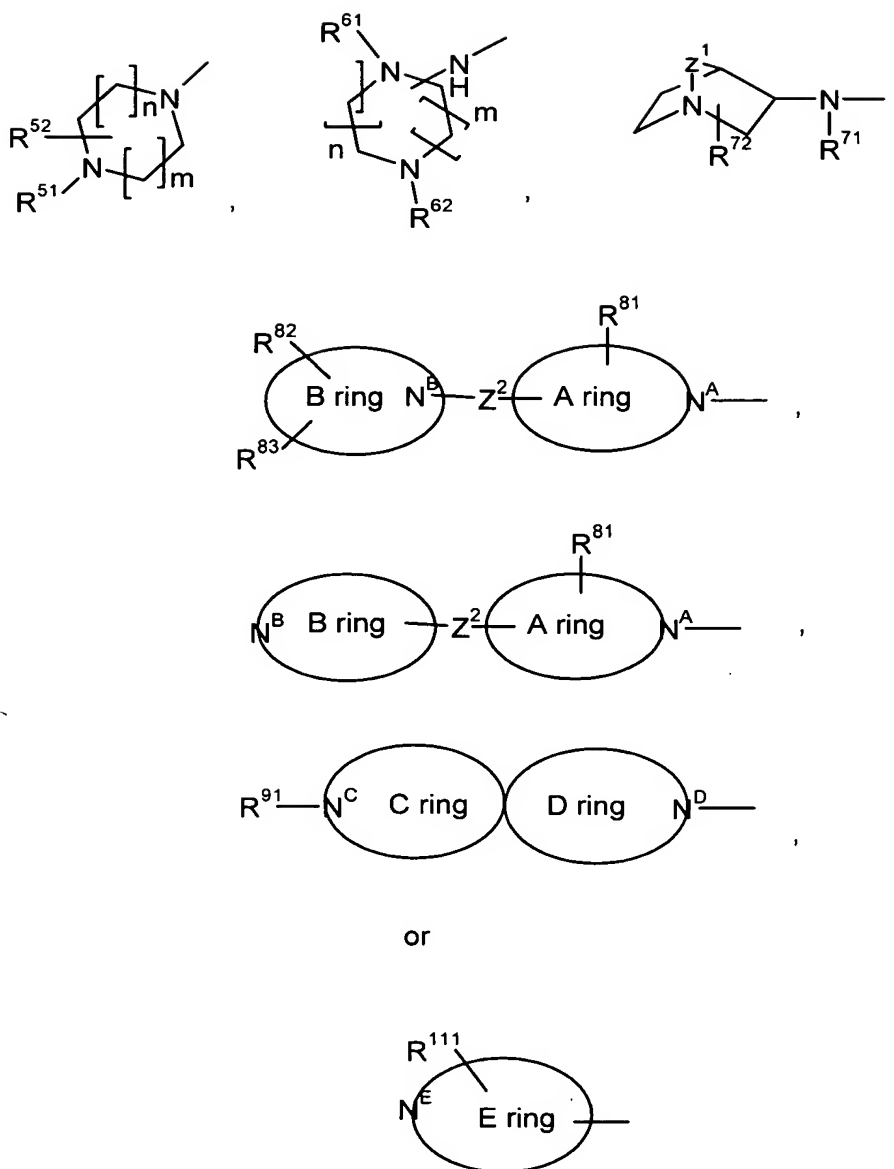
$R^1$  represents fluoro, chloro, bromo, iodo, or nitro;

$R^2$  represents fluoro, chloro, bromo, iodo, or nitro;

$R^3$  represents acetyl, cyano, or tetrazolyl;

$R^4$  represents





wherein

$R^{40}$  represents  $C_{1-6}$  alkyl substituted by pyrrolidinyl or piperidinyl wherein said pyrrolidinyl and piperidinyl are optionally substituted by mono- or di- oxo, 7-oxa-bicyclo[4.1.0]hept-3-yl optionally having 1 or 2 substituents selected from the group consisting of amino, ( $C_{1-6}$  alkyl)amino and di( $C_{1-6}$  alkyl)amino, or a 5 to 8 membered saturated heterocyclic ring containing 1 or 2 heteroatoms selected from the group consisting of N and O and optionally having from 1 to 3 substituents

selected from the group consisting of hydroxy, amino, oxo and C<sub>1-6</sub> alkyl;

R<sup>41</sup> represents hydrogen, C<sub>1-6</sub> alkyl optionally substituted by amino, C<sub>1-6</sub> alkylamino, di(C<sub>1-6</sub> alkyl)amino, or 2,5-dioxo pyrrolidin-1-yl or a C<sub>5-8</sub> cycloalkyl optionally substituted by hydroxy,

or

R<sup>40</sup> and R<sup>41</sup> may form, together with adjacent N atom, a 5 to 8 membered saturated heterocyclic ring optionally interrupted by O;

R<sup>42</sup> represents C<sub>1-6</sub> alkylene optionally substituted by hydroxy or carboxy, or a C<sub>5-8</sub> cycloalkyl substituted by at least one hydroxy and moreover optionally 1 or 2 substituents selected from the group consisting of hydroxy, amino, oxo and C<sub>1-6</sub> alkyl,

or

R<sup>41</sup> and R<sup>42</sup> may form, together with adjacent N atom, a 5 to 8 membered saturated heterocyclic ring optionally interrupted by NH or O, wherein said 5 to 8 membered saturated heterocyclic ring is substituted by mono- or di-oxo,

with the proviso that when R<sup>41</sup> is hydrogen, C<sub>1-6</sub> alkyl optionally substituted by amino, C<sub>1-6</sub> alkylamino, or di(C<sub>1-6</sub> alkyl)amino, R<sup>42</sup> is hydroxy substituted C<sub>1-6</sub> alkylene or carboxy substituted C<sub>1-6</sub> alkylene;

R<sup>43</sup> represents hydrogen, or C<sub>1-6</sub> alkyl optionally substituted by hydroxy or carboxy;

R<sup>44</sup> represents C<sub>1-6</sub> alkyl optionally substituted by hydroxy or carboxy,

with the proviso that when R<sup>41</sup> and R<sup>42</sup> form, together with adjacent N atom, a 5 to 8 membered saturated heterocyclic ring substituted by mono- or di-oxo, R<sup>44</sup> represents hydroxy substituted C<sub>1-6</sub> alkyl or carboxy substituted C<sub>1-6</sub> alkyl;

R<sup>45</sup>, R<sup>47</sup>, R<sup>49</sup> and R<sup>50</sup> independently represent hydrogen or C<sub>1-6</sub> alkyl;

R<sup>46</sup> and R<sup>48</sup> independently represent C<sub>1-6</sub> alkylene optionally substituted hydroxy or carboxy;

n represents an integer selected from 1 to 3;

m represents an integer selected from 0 to 3;

R<sup>51</sup> represents hydrogen, C<sub>1-6</sub> alkyl, or a 3 to 8 membered saturated ring optionally interrupted by NH or O;

R<sup>52</sup> represents hydrogen, C<sub>1-6</sub> alkoxy carbonyl, or C<sub>1-6</sub> alkyl substituted by amino, (C<sub>1-6</sub> alkyl)amino, di(C<sub>1-6</sub> alkyl)amino, N-(C<sub>1-6</sub> alkylsulfonyl)amino, N-(C<sub>1-6</sub> alkanoyl)amino, C<sub>1-6</sub> alkoxycarbonyl, tetrazolyl, triazolyl, indolinyl, isoindolinyl, indolyl, isoindolyl, pyrrolidinyl optionally substituted by mono- or di- oxo, or piperidinyl optionally substituted by mono- or di- oxo,

with the proviso that when R<sup>51</sup> and R<sup>52</sup> are hydrogen at the same time, R<sup>3</sup> is tetrazolyl or C<sub>1-6</sub> alkanoyl, or when R<sup>51</sup> is hydrogen or C<sub>1-6</sub> alkyl, R<sup>52</sup> is other than hydrogen;

R<sup>61</sup> and R<sup>62</sup> independently represent hydrogen or C<sub>1-6</sub> alkyl optionally substituted by hydroxy, carboxy, phenyl or mono-, di- or tri halogen;

R<sup>71</sup> represents hydrogen, or C<sub>1-6</sub> alkyl optionally substituted by amino, hydroxy, carboxy, pyrrolidinyl or piperidinyl, wherein said pyrrolidinyl and piperidinyl are optionally substituted by mono- or di- oxo;

R<sup>72</sup> represents hydrogen, carboxy, C<sub>1-6</sub> alkanoyl, amino, (C<sub>1-6</sub>alkyl)amino, di(C<sub>1-6</sub>alkyl)amino, N-(C<sub>1-6</sub>alkyl)amino carbonyl, C<sub>1-6</sub> alkyl optionally substituted by hydroxy, carboxy, or mono-, di- or tri- halogen, C<sub>1-6</sub> alkoxy optionally substituted by mono-, di- or tri- halogen, pyrrolidinyl or piperidinyl, wherein said pyrrolidinyl and piperidinyl are optionally substituted by mono- or di- oxo;

Z<sup>1</sup> represents -[CH<sub>2</sub>]<sub>p</sub>-, wherein p represents an integer 1 or 2;

R<sup>81</sup> represents hydrogen, C<sub>1-6</sub> alkoxy carbonyl, or C<sub>1-6</sub> alkyl substituted by pyrrolidinyl, or piperidinyl, wherein said pyrrolidinyl and piperidinyl are optionally substituted by mono- or di- oxo;

R<sup>82</sup> represents hydrogen, hydroxy, carboxy or C<sub>1-6</sub> alkyl substituted by hydroxy, amino, or carboxy,

R<sup>83</sup> represents hydrogen, hydroxy, carboxy, or C<sub>1-6</sub> alkyl substituted by hydroxy, amino, or carboxy,

with the proviso that when R<sup>81</sup> is hydrogen, R<sup>82</sup> or R<sup>83</sup> is other than hydrogen;

Z<sup>2</sup> represents  $-\text{[CH}_2\text{]}_q-$ ,

wherein

q represents an integer selected from 0 to 3;

R<sup>91</sup> represents hydrogen or C<sub>1-6</sub> alkyl optionally substituted by phenyl;

R<sup>111</sup> represents hydrogen, carboxy, C<sub>1-6</sub> alkoxy carbonyl, C<sub>1-6</sub> alkanoyl, N-(C<sub>1-6</sub>alkyl) aminocarbonyl, C<sub>1-6</sub> alkoxy optionally substituted by mono-, di- or tri- halogen, or C<sub>1-6</sub> alkyl optionally substituted by hydroxy, mono-, di- or tri- halogen, amino, (C<sub>1-6</sub> alkyl)amino, di(C<sub>1-6</sub> alkyl)amino, N-(C<sub>1-6</sub> alkylsulfonyl)amino, N-(C<sub>1-6</sub> alkanoyl)amino, C<sub>1-6</sub> alkoxy carbonyl, tetrazolyl, triazolyl, indolyl, isoindolyl, indolyl, isoindolyl, pyrrolidinyl or piperidinyl, wherein said pyrrolidinyl and piperidinyl are optionally substituted by mono- or di- oxo;

A ring represents a 3 to 8 membered saturated heterocyclic ring, in which the nitrogen atom N<sup>A</sup> is the only hetero atom;

B ring represents a 3 to 8 membered saturated heterocyclic ring, in which the nitrogen atom N<sup>B</sup> is the only hetero atom;

C ring and D ring together form a 7 to 12 membered diazabicyclic ring; and

E ring represents a 5 to 8 membered saturated heterocyclic ring, in which the nitrogen atom N<sup>E</sup> is the only hetero atom.

- (4) (Original) The benzenesulfonamide derivative of the formula (I-b), its tautomeric or stereoisomeric form, or a salt

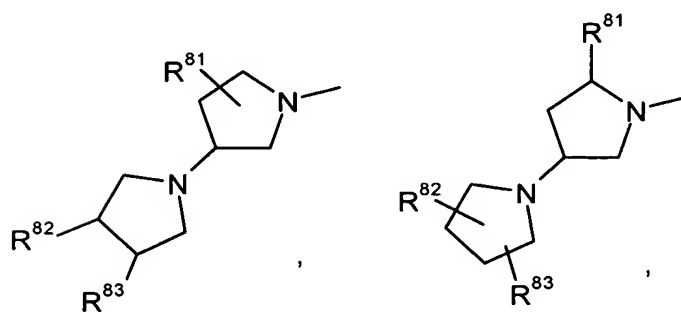
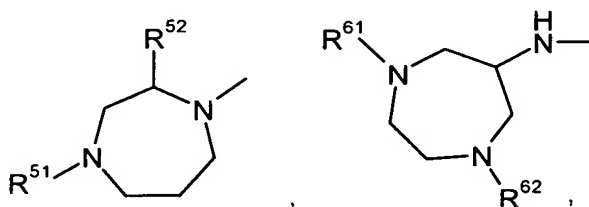
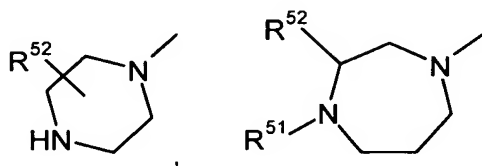
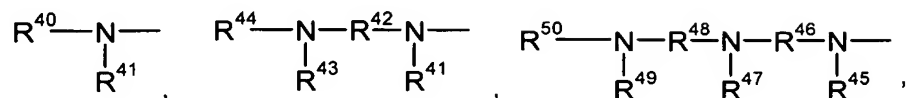
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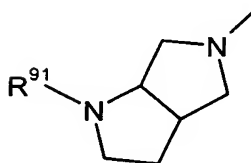
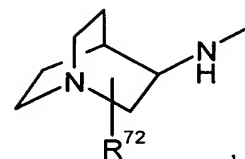
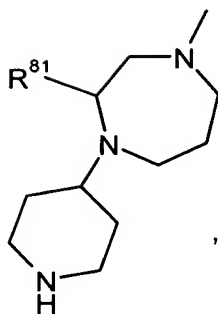
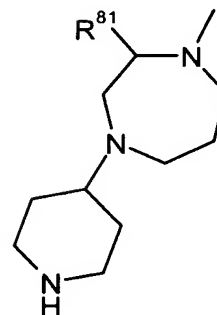
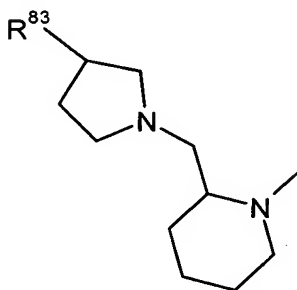
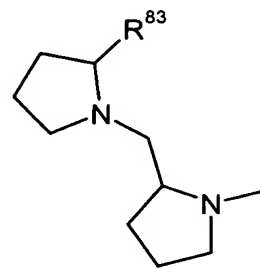
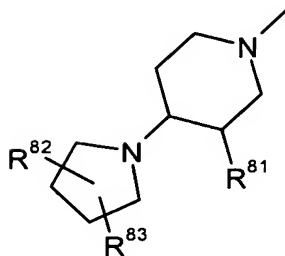
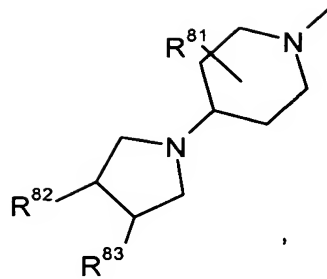
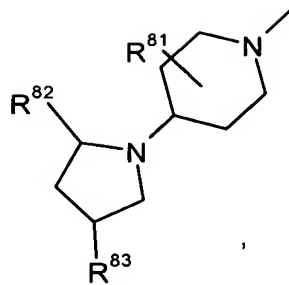
$R^1$  represents fluoro, chloro or bromo;

$R^2$  represents fluoro, chloro or bromo;

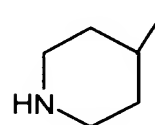
$R^3$  represents cyano;

$R^4$  represents





or



wherein

R<sup>40</sup> represents C<sub>1-6</sub> alkyl having substituent selected from the group consisting of 2-oxo-pyrrolidin-1-yl, 2,5-dioxo-pyrrolidin-1-yl, 2-oxo-piperidin-1-yl, 2-oxo-piperidin-3-yl, 4-oxo-piperidin-1-yl, 2-oxo-piperidin-6-yl, 2,5-dioxo-piperidin-1-yl, 2,6-dioxo-piperidin-1-yl, 2,6-dioxo-piperidin-3-yl, piperidin-1-yl, -2-yl, -3-yl or -4-yl (wherein said piperidin is optionally substituted by mono- or di-oxo), hexahydroazepin-1-yl, -2-yl, -3-yl or -4-yl (wherein said hexahydroazepin is optionally substituted by mono- or di-oxo), and 7-oxa-bicyclo[4.1.0]hept-3-yl optionally substituted by amino;

R<sup>41</sup> represents hydrogen, cyclopentyl or C<sub>1-6</sub> alkyl optionally substituted by amino, C<sub>1-6</sub> alkyl amino, di-(C<sub>1-6</sub> alkyl)amino, or 2,5-dioxo-pyrrolidin-1-yl,

R<sup>42</sup> represents C<sub>1-4</sub> alkylene substituted by carboxy or cyclohexyl substituted by mono- or di-hydroxy,

R<sup>41</sup> and R<sup>42</sup> may form, together with adjacent N atom, a 5 or 6 membered saturated heterocyclic ring;

R<sup>43</sup> represents hydrogen or C<sub>1-6</sub> alkyl optionally substituted by hydroxy,

R<sup>44</sup> represents C<sub>1-6</sub> alkyl optionally substituted by hydroxy or carboxy,

with the proviso that when R<sup>41</sup> and R<sup>42</sup> form, together with adjacent N atom, a 5 or 6 membered saturated heterocyclic ring, R<sup>44</sup> is hydroxy substituted C<sub>1-6</sub> alkyl or carboxy substituted C<sub>1-6</sub> alkyl;

R<sup>45</sup>, R<sup>47</sup>, R<sup>49</sup> and R<sup>50</sup> independently represent hydrogen, methyl or ethyl;

R<sup>46</sup> and R<sup>48</sup> independently represent C<sub>1-6</sub> alkylene optionally substituted hydroxy or carboxy;

R<sup>51</sup> represents hydrogen, cyclopentyl, ethyl or methyl;

R<sup>52</sup> represents methoxycarbonyl or C<sub>1-6</sub>alkyl substituted by carboxy, amino, methoxycarbonyl, methanesulfonylamino, acetamido, indolyl, tetrazolyl, 1,2,3-triazolyl, 1,2,4-triazolyl, 1,2,5-triazolyl, 1,3,4-triazolyl,



pyrrolidin-1-yl, 2-oxo-pyrrolidin-1-yl, 2,5- dioxo pyrrolidin-1-yl, 2-oxo-piperidin-1-yl, 2-oxo-piperidin-3-yl, 4-oxo-piperidin-1-yl, 2-oxo-piperidin-6-yl, 2,5-dioxo-piperidin-1-yl, 2,6-dioxo-piperidin-1-yl, or 2,6-dioxo-piperidin-3-yl;

R<sup>61</sup> and R<sup>62</sup> independently represents benzyl or phenethyl;

R<sup>72</sup> represents hydrogen, carboxy, C<sub>1-6</sub> alkanoyl, amino, (C<sub>1-6</sub>alkyl)amino, di(C<sub>1-6</sub>alkyl)amino, N-(C<sub>1-6</sub>alkyl)amino carbonyl, C<sub>1-6</sub> alkyl optionally substituted by hydroxy, carboxy, or mono-, di- or tri- halogen, C<sub>1-6</sub> alkoxy optionally substituted by mono-, di- or tri- halogen, pyrrolidinyl or piperidinyl, wherein said pyrrolidinyl and piperidinyl are optionally substituted by mono- or di- oxo;

R<sup>81</sup> represents hydrogen, methoxycarbonyl or C<sub>1-6</sub> alkyl substituted by 2-oxo-pyrrolidin-1-yl, 2,5- dioxo pyrrolidin-1-yl, 2-oxo-piperidin-1-yl, 2-oxo-piperidin-3-yl, 4-oxo-piperidin-1-yl, 2-oxo-piperidin-6-yl, 2,5-dioxo-piperidin-1-yl, 2,6-dioxo-piperidin-1-yl, or 2,6-dioxo-piperidin-3-yl;

R<sup>82</sup> represents hydrogen, hydroxy or hydroxy substituted C<sub>1-6</sub> alkyl;

R<sup>83</sup> represents hydrogen, hydroxy or carboxy;

with the proviso that when R<sup>82</sup> and R<sup>83</sup> are hydrogen at the same time, R<sup>81</sup> is other than hydrogen, or when R<sup>81</sup> and R<sup>83</sup> are hydrogen at the same time, R<sup>82</sup> is other than hydrogen;

R<sup>91</sup> represents benzyl or phenethyl.

- (5) (Currently Amended) The benzenesulfonamide derivative, its tautomeric or stereoisomeric form, or a physiologically acceptable salt thereof as claimed in claim 1 to 4, wherein said benzenesulfonamide derivative of the formula is selected from the group consisting of:

3-(1-Benzyl-hexahydro-pyrrolo[3,4-b]pyrrole-5-sulfonyl)-4-(3,5-dichloro-phenoxy)-benzonitrile;

N-{4-[5-Cyano-2-(3,5-dichloro-phenoxy)-benzenesulfonyl]-piperazin-2-ylmethyl}-methanesulfonamide;  
 N-{4-[5-Cyano-2-(3,5-dichloro-phenoxy)-benzenesulfonyl]-piperazin-2-ylmethyl}-acetamide;  
 N-{1-[5-Cyano-2-(3,5-dichloro-phenoxy)-benzenesulfonyl]-piperazin-2-ylmethyl}-methanesulfonamide;  
 N-{1-[5-Cyano-2-(3,5-dichloro-phenoxy)-benzenesulfonyl]-piperazin-2-ylmethyl}-acetamide;  
 4-(3,5-Dichloro-phenoxy)-3-[(3R)-(2-hydroxy-ethylamino)-pyrrolidine-1-sulfonyl]-benzonitrile;  
 3-(2-Aminomethyl-piperazine-1-sulfonyl)-4-(3,5-dichloro-phenoxy)-benzonitrile dihydrochloride;  
 1-[5-Cyano-2-(3,5-dichloro-phenoxy)-benzenesulfonyl]-[1,4]diazepane-2-carboxylic acid methyl ester;  
 4-(3,5-Dichloro-phenoxy)-3-[3(S)-(1H-indol-3-ylmethyl)-piperazine-1-sulfonyl]-benzonitrile;  
 4-(3,5-Dichloro-phenoxy)-3-[2(S)-(1H-indol-3-ylmethyl)-piperazine-1-sulfonyl]-benzonitrile;  
 4-(3,5-Dichloro-phenoxy)-3-[2-(2,5-dioxo-pyrrolidin-1-ylmethyl)-piperazine-1-sulfonyl]-benzonitrile;  
 N-{1-[5-Cyano-2-(3,5-dichloro-phenoxy)-benzenesulfonyl]-[1,4]diazepan-2-ylmethyl}-methanesulfonamide;  
 1-[4-(3,5-Dichloro-phenoxy)-3-(piperazine-1-sulfonyl)-phenyl]-ethanone;  
 (R)-N-(1-Aza-bicyclo[2.2.2]oct-3-yl)-5-cyano-2-(3,5-dichloro-phenoxy)-benzenesulfonamide;  
 (S)-N-(1-Aza-bicyclo[2.2.2]oct-3-yl)-5-cyano-2-(3,5-dichloro-phenoxy)-benzenesulfonamide;  
 4-(3,5-Dichloro-phenoxy)-3-{4-[(2S)-(1-hydroxy-1-methyl-ethyl)-pyrrolidin-1-yl]-piperidine-1-sulfonyl}-benzonitrile;  
 4-(3,5-Dichloro-phenoxy)-3-(3-tetrazol-2-ylmethyl-piperazine-1-sulfonyl)-benzonitrile;  
 4-(3,5-Dichloro-phenoxy)-3-(3-[1,2,4]triazol-1-ylmethyl-piperazine-1-sulfonyl)-benzonitrile;

4-(3,5-Dichloro-phenoxy)-3-(2-[1,2,4]triazol-1-ylmethyl-piperazine-1-sulfonyl)-benzonitrile;

5-Cyano-2-(3,5-dichloro-phenoxy)-N-(2-dimethylamino-ethyl)-N-[2-(2,5-dioxo-pyrrolidin-1-yl)-ethyl]-benzenesulfonamide;

4-(3,5-Dichloro-phenoxy)-3-[3-(2,5-dioxo-pyrrolidin-1-ylmethyl)-piperazine-1-sulfonyl]-benzonitrile;

4-(3,5-Dichloro-phenoxy)-3-[3-(2,5-dioxo-pyrrolidin-1-ylmethyl)-4-pyrrolidin-1-yl-piperidine-1-sulfonyl]-benzonitrile;

4-(3,5-Dichloro-phenoxy)-3-{4-[(2S)-hydroxymethyl-pyrrolidin-1-yl]-piperidine-1-sulfonyl}-benzonitrile;

4-(3,5-Dichloro-phenoxy)-3-{(2S)-[(2S)-hydroxymethyl-pyrrolidin-1-ylmethyl]-pyrrolidine-1-sulfonyl}-benzonitrile;

*N*-(1-aza-bicyclo[2.2.2]oct-3-yl)-2-(3,5-dichloro-phenylsulfanyl)-5-nitro-benzenesulfonamide;

and

4-(3,5-Dichloro-phenoxy)-3-(piperidine-4-sulfonyl)-benzonitrile.

- (6) (Currently Amended) A ~~medicament~~ pharmaceutical composition comprising the benzenesulfonamide derivative of the formula (I), its tautomeric or stereoisomeric form, or a physiologically acceptable salt thereof as claimed in claim 1 as an active ingredient.
- (7) (Currently Amended) The ~~medicament~~ pharmaceutical composition as claimed in claim 6, further comprising one or more pharmaceutically acceptable excipients.
- (8) (Currently Amended) The ~~medicament~~ pharmaceutical composition as claimed in claim 6, wherein said benzenesulfonamide derivative of the formula (I), its tautomeric or stereoisomeric form, or a physiologically acceptable salt thereof is a CCR3 antagonist.
- (9) (Currently Amended) The ~~medicament~~ pharmaceutical composition as claimed in claim 6 suitable for the treatment and/or prophylaxis of an inflammatory disorder or disease.

- (10) (Currently Amended) The ~~medicament~~ pharmaceutical composition as claimed in claim 9, wherein said inflammatory disorder or disease is selected from the group consisting of asthma, rhinitis, allergic diseases, and autoimmune pathologies.
- (11) (Currently Amended) The ~~medicament~~ pharmaceutical composition as claimed in claim 6 suitable for the treatment or prevention of a disease selected from the group consisting of HIV, lung granuloma, and Alzheimer's diseases.
- (12) (Currently Amended) ~~Use of the benzenesulfonamide derivative, its tautomeric or stereoisomeric form, or a physiologically acceptable salt thereof as claimed in claim 1 to 5 in the preparation of a medicament for treating or preventing a CCR3-related disorder or disease. A method of treating or preventing a CCR3 related disorder or disease by which comprises administering a compound of claim 1 or its tautomeric or stereoisomeric form, or a physiologically acceptable salt thereof.~~
- (13) (Currently Amended) The ~~use~~ method of claim 12, wherein said disorder or disease is an inflammatory or immunoregulatory disorder or disease.
- (14) (Currently Amended) The ~~use~~ method of claim 12, wherein said disorder or disease is selected from the group consisting of asthma, rhinitis, allergic diseases, and autoimmune pathologies.
- (15) (Currently Amended) The ~~use~~ method of claim 12, wherein said disorder or disease is selected from the group consisting of HIV, lung granuloma, and Alzheimer's diseases.
- (16) (Currently Amended) The ~~use~~ method of claim 12, wherein said benzenesulfonamide derivative, its tautomeric or stereoisomeric form, or a physiologically acceptable salt thereof is formulated with one or more pharmaceutically acceptable excipients.
- (17) (Currently Amended) A method of ~~Process for~~ controlling an inflammatory or immunoregulatory disorder or disease in humans and animals by which comprises administration of a CCR3-antagonistically effective amount of at least one compound according to claim 1 ~~to 5~~.

- (18) (New) A method of treating or preventing a CCR3 related disorder or disease by which comprises administering a compound of claim 3 or its tautomeric or stereoisomeric form, or a physiologically acceptable salt thereof.
- (19) (New) A method of treating or preventing a CCR3 related disorder or disease by which comprises administering a compound of claim 4 or its tautomeric or stereoisomeric form, or a physiologically acceptable salt thereof.